

#18  
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JAN 30 2003

TECH CENTER 1600/2900

1600

## RAW SEQUENCE LISTING

DATE: 01/27/2003

PATENT APPLICATION: US/09/749,589A

TIME: 09:12:56

Input Set : A:\861 re-submitted SEQLIST 2003 jan.TXT

Output Set: N:\CRF4\01242003\I749589A.raw

4 <110> APPLICANT: GUEGLER, Karl et al.  
6 <120> TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,  
7 NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,  
8 AND USES THEREOF  
10 <130> FILE REFERENCE: CL000861  
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13 <141> CURRENT FILING DATE: 2000-12-28  
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20 <211> LENGTH: 2262  
21 <212> TYPE: DNA  
22 <213> ORGANISM: Homo sapiens  
24 <400> SEQUENCE: 1

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74 Val Gly Glu Lys Leu Arg Asn Ala Phe Arg Cys Ser Ser Ala Lys Ile
75 35 40 45
76 Lys Ala Val Val Phe Gly Leu Leu Pro Val Leu Ser Trp Leu Pro Lys
77 50 55 60
78 Tyr Lys Ile Lys Asp Tyr Ile Ile Pro Asp Leu Leu Gly Gly Leu Ser
79 65 70 75 80
80 Gly Gly Ser Ile Gln Val Pro Gln Gly Met Ala Phe Ala Leu Leu Ala
81 85 90 95
82 Asn Leu Pro Ala Val Asn Gly Leu Tyr Ser Ser Phe Phe Pro Leu Leu
83 100 105 110
84 Thr Tyr Phe Phe Leu Gly Gly Val His Gln Met Val Pro Gly Thr Phe
85 115 120 125
86 Ala Val Ile Ser Ile Leu Val Gly Asn Ile Cys Leu Gln Leu Ala Pro
87 130 135 140
88 Glu Ser Lys Phe Gln Val Phe Asn Asn Ala Thr Asn Glu Ser Tyr Val
89 145 150 155 160
90 Asp Thr Ala Ala Met Glu Ala Glu Arg Leu His Val Ser Ala Thr Leu
91 165 170 175
92 Ala Cys Leu Thr Ala Ile Ile Gln Met Gly Leu Gly Phe Met Gln Phe
93 180 185 190
94 Gly Phe Val Ala Ile Tyr Leu Ser Glu Ser Phe Ile Arg Gly Phe Met
95 195 200 205
96 Thr Ala Ala Gly Leu Gln Ile Leu Ile Ser Val Leu Lys Tyr Ile Phe
97 210 215 220
98 Gly Leu Thr Ile Pro Ser Tyr Thr Gly Pro Gly Ser Ile Val Phe Thr
99 225 230 235 240
100 Phe Ile Asp Ile Cys Lys Asn Leu Pro His Thr Asn Ile Ala Ser Leu
101 245 250 255
102 Ile Phe Ala Leu Ile Ser Gly Ala Phe Leu Val Leu Val Lys Glu Leu
103 260 265 270
104 Asn Ala Arg Tyr Met His Lys Ile Arg Phe Pro Ile Pro Thr Glu Met

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108 Lys Lys Tyr His Met Gln Ile Val Gly Glu Ile Gln Arg Gly Phe Pro
109 305          310          315          320
110 Thr Pro Val Ser Pro Val Val Ser Gln Trp Lys Asp Met Ile Gly Thr
111          325          330          335
112 Ala Phe Ser Leu Ala Ile Val Ser Tyr Val Ile Asn Leu Ala Met Gly
113          340          345          350
114 Arg Thr Leu Ala Asn Lys His Gly Tyr Asp Val Asp Ser Asn Gln Glu
115          355          360          365
116 Met Ile Ala Leu Gly Cys Ser Asn Phe Phe Gly Ser Phe Phe Lys Ile
117          370          375          380
118 His Val Ile Cys Cys Ala Leu Ser Val Thr Leu Ala Val Asp Gly Ala
119 385          390          395          400
120 Gly Gly Lys Ser Gln Val Ala Ser Leu Cys Val Ser Leu Val Val Met
121          405          410          415
122 Ile Thr Met Leu Val Leu Gly Ile Tyr Leu Tyr Pro Leu Pro Lys Ser
123          420          425          430
124 Val Leu Gly Ala Leu Ile Ala Val Asn Leu Lys Asn Ser Leu Lys Gln
125          435          440          445
126 Leu Thr Asp Pro Tyr Tyr Leu Trp Arg Lys Ser Lys Leu Asp Cys Cys
127          450          455          460
128 Ile Thr Trp Val Val Ser Phe Leu Ser Ser Phe Phe Leu Ser Leu Pro Tyr
129 465          470          475          480
130 Gly Val Ala Val Gly Val Ala Phe Ser Val Leu Val Val Val Phe Gln
131          485          490          495
132 Thr Gln Phe Arg Asn Gly Tyr Ala Leu Ala Gln Val Met Asp Thr Asp
133          500          505          510
134 Ile Tyr Val Asn Pro Lys Thr Tyr Asn Arg Ala Gln Asp Ile Gln Gly
135          515          520          525
136 Ile Lys Ile Ile Thr Tyr Cys Ser Pro Leu Tyr Phe Ala Asn Ser Glu
137          530          535          540
138 Ile Phe Arg Gln Lys Val Ile Ala Lys Thr Val Ser Leu Gln Glu Leu
139 545          550          555          560
140 Gln Gln Asp Phe Glu Asn Ala Pro Pro Thr Asp Pro Asn Asn Asn Gln
141          565          570          575
142 Thr Pro Ala Asn Gly Thr Ser Val Ser Tyr Ile Thr Phe Ser Pro Asp
143          580          585          590
144 Ser Ser Ser Pro Ala Gln Ser Glu Pro Pro Ala Ser Ala Glu Ala Pro
145          595          600          605
146 Gly Glu Pro Ser Asp Met Leu Ala Ser Val Pro Pro Phe Val Thr Phe
147          610          615          620
148 His Thr Leu Ile Leu Asp Met Ser Gly Val Ser Phe Val Asp Leu Met
149 625          630          635          640
150 Gly Ile Lys Ala Leu Ala Lys Leu Ser Ser Thr Tyr Gly Lys Ile Gly
151          645          650          655
152 Val Lys Val Phe Leu Val Asn Ile His Ala Gln Val Tyr Asn Asp Ile
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158 Asp Val Thr Pro Gly His Asn Phe Gln Gly Ala Pro Gly Asp Ala Glu
159 705          710          715          720
160 Leu Ser Leu Tyr Asp Ser Glu Glu Asp Ile Arg Ser Tyr Trp Asp Leu
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181 gcctcacggg cggatgaagg cggcagcct ctgaatagtc tctgctagga ggtagaaaagc 180
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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 01/27/2003  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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